1FK7044-4CF71-1CH2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7044-4cf71-1ch2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Rated Power	1.2 kW
Rated Speed	3000 rpm
Rated Torque	4.5 Nm
Encoder Type	AM24DQI –
Cooling Type	Natural –
Degree of Protection	IP65/IP67 –
Shaft Type	Plain with fitted key –

Description

The Siemens 1FK7044-4CF71-1CH2 is a high-performance synchronous motor from the SIMOTICS S 1FK7 series, designed for demanding industrial applications requiring precision and reliability. This motor offers a continuous rated power (PN) of 1.2 kW and operates at a rated speed (NN) of 3,000 rpm, making it suitable for applications that demand consistent and efficient performance.

The rated torque (M0) is 4.5 Nm, with a maximum permissible torque of 13.0 Nm, providing the necessary force for various industrial tasks. Equipped with an absolute encoder AM24DQI, it offers 24-bit single-turn and 12-bit multi-turn resolution, ensuring precise position feedback.

The motor features natural cooling and has a degree of protection IP65, with the drive end flange rated at IP67, ensuring durability and protection in harsh environments. The plain shaft with fitted key and rotatable electrical connectors enhance installation flexibility.

This motor is ideal for integration with SINAMICS S120 drive systems, offering seamless compatibility and optimal performance.

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